BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Zone

Estimated cost Rs 9.30 Lakhs

Name of Work:- Providing and constructing of compound wall in canteen surrounding of Attur ward no-03.

S.No	Description of item's	Unit	No	L	B	D	Qty	Rate	Amount
1	Hire charges of JCB Excavator	Days	1				1.00	6720.00	6720.00
2	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1 (a) / 2.3.1 (P.5/I.2.1 PW, P & IWTD -SR 2016-2017)	Cum							
	Canteen Surrounding levelling:-		1	18.00	22.00	0.35	138.60		
	Drain desilting		1	45.00	0.50	0.45	10.13		
							148.73	169.56	**25217.81**
	Basic Rate	157.00							
	Area Weightage @ 8%	12.56							
	Total	**169.56**							
3	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3).								
			1	21.00	1.20		25.20		
	(-)Deduction For Damaged and Missing Portions		19	1.20	0.60		13.68		
							11.52	82.08	945.56
	Basic Rate	76.00							
	Area Weightage @ 8%	6.08							
	Total	**82.08**							
4	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).	Sqm							
	Damaged and Missing Portion Of Quantity						13.68		
							13.68	2100.00	28728.00
5	KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications including cost of gravell/murrum,watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. (Page No. 147 & Item No. 19.60)	Cum							
	Canteen Surrounding		1	18.00	22.00	0.40	158.40		
							158.40	311.04	49268.74

	Basic Rate	288.00							
	Area Weightage @ 8%	23.04							
	Total	**311.04**							
6	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/(PWD SR 2016-2017)	cum							
	Fencieng wall foundation:-		1	16.50	0.75	0.60	7.43		
			2	14.70	0.75	0.60	13.23		
	Rain water pit		1	1.20	1.20	1.80	2.59		
							23.25	305.64	**7105.21**
	Basic Rate	283.00							
	Area Weightage @ 8%	22.64							
	Total	**305.64**							
7	KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no 4.3,Page no12,PWD SR 2015-16)	Cum							
	Fencieng wall foundation:-		1	16.50	0.75	0.15	1.86		
			2	14.70	0.75	0.15	3.31		
	Approach concreting		1	3.00	2.60	0.15	1.17		
	Basic Rate	4867.00					**6.33**	5256.36	**33292.47**
	Area Weightage @ 8%	389.36							
	Total	**5256.36**							
8	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Cum							
	Fencieng wall foundation:-		1	16.35	0.70	0.60	6.87		
			2	14.85	0.70	0.60	12.47		
							19.34		
	MS Poles		6	0.50	0.50	0.60	0.90		
							18.44	4521.96	**83389.46**

	Basic Rate	4187.00							
	Area Weightage @ 8%	334.96							
	Total	**4521.96**							
9	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.22/I.5.9 PW, P & IWTD -SR 2016-2017)	Cum							
	Fencieng wall foundation:-		1	16.20	0.60	0.40	3.89		
			2	15.00	0.60	0.40	7.20		
							11.09		
	MS Poles		6	0.50	0.50	0.40	0.60		
							10.49	5405.40	**56691.84**
	Basic Rate	5005.00							
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
10	KSRB 15.1.5: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/Item No. 15.1)	Sqm							
	Fencieng wall foundation:-		2	16.20		0.35	11.34		
			4	15.00		0.35	21.00		
							32.34	104.76	**3387.94**
	Basic Rate	97.00							
	Area Weightage @ 8%	7.76							
	Total	**104.76**							
11	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming etc as per specification&direction of the engineer incharge of work (pwd sr2016-17,p.no13,sno4.11)								
	Coping concrete:-		1	16.20	0.60	0.15	1.46		
			2	15.00	0.60	0.15	2.70		
	Gap filling		1	15.00	0.20	0.20	0.60		
	Compound walls		1	16.20	0.20	0.10	0.32		
			1	15.00	0.20	0.10	0.30		
	Fencing Vertical MS Poles concretings		6	0.50	0.50	0.70	1.05		
	Appoach		1	3.00	2.60	0.15	1.17		
	Katte,s		1	5.90	0.40	0.10	0.24		
			1	8.50	0.40	0.10	0.34		
							8.18	6491.88	53090.59

	Basic Rate	6011.00							
	Area Weightage @ 8%	480.88							
	Total	**6491.88**							
12	KSRB 5-14: Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. (P25/5.27)	Sqm							
	Compound walls		1	15.60		1.40	21.84		
			1	15.00		1.40	21.00		
	Alround wall		1	30.00		0.60	18.00		
	Katte,s		1	5.90		0.60	3.54		
			1	8.50		0.60	5.10		
	Appoach		2	3.00		0.40	2.40		
							71.88	**1011.96**	**72740.00**
	Basic Rate	937.00							
	Area Weightage @ 8%	74.96							
	Total	**1011.96**							
13	Providing 20mm thick cement plaster in single coat with **cement mortar 1:6,** to brick masonry including rounding off corners wherver required smooth rendering, : Providing and removing scaffolding, cost of materials, labour, curing complete as per specifications and direction of the Engineer in charge.for **Outside Plastering(p.no114/item no15.20)**	Sqm							
	Compound walls		2	15.60		1.55	48.36		
			2	15.00		1.55	46.50		
	Katte,s		1	5.90		0.60	3.54		
			1	8.50		0.60	5.10		
							103.50	224.64	23250.00
	Basic Rate	208.00							
	Area Weightage @ 8%	16.64							
	Total	**224.64**							
14	Providingexternalwallswithtextureingapprovedbrandpaint,applieduniformlyinthreecoatsoveronecoatofprimerincludingcostofallmaterials,machineries,labour,transportation,loading&unloading,allleadandliftandotherincidentalchargesincludingscaffoldingandremovingstains,completeasperspecification.(P125/15.103)	Sqm							
	Compound walls		2	15.60		1.55	48.36		
			2	15.00		1.55	46.50		
							94.86	311.04	29505.00
	Basic Rate	288.00							
	Area Weightage @ 8%	23.04							

	Total	**311.04**							
15	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.(pwd sr 2016-17,.n o25 5.30)	Nos							
	Kerb line		1	21.00			21.00		
							21.00		
					46.67		47.00	338.04	**15887.88**
	Basic Rate	313.00							
	Area Weightage @ 8%	25.04							
	Total	**338.04**							
16	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 101, I.No 14.6)	Sqm							
	Canteen Surrounding		1	15.00	15.00		225.00		
			1	5.00	2.00		10.00		
							235.00		
	(-)Deductions for Canteen portion		1	12.20	11.50		140.30		
	Approach		1	3.00	2.60		7.80		
	Alround		1	30.00	0.80		24.00		
							172.10		
							62.90	984.96	**61953.98**
	Basic Rate	912.00							
	Area Weightage @ 8%	72.96							
	Total	**984.96**							
17	Fabricating,providing and erecting in position of MS Hot dip galvanized sq.Hallow poles of 132X132 Heavy guage of lenth 3000mm with MS Hot dip galvanized grill work as per approved design and drawing of chief architect.Using 12X75mm galvanized flat for alround frame and 20mmX20mm galvanized forged design with suare for vertical at 150mm c/c as shown in the drawing etc as per specifications and directions of the engineer in charge of the work.(Approved data rate)	Sqm							

	Fencieng wall foundations:Front		1	15.00		1.50	22.50		
							22.50		
	Gates		1	2.60		1.50	3.90		
							18.60	12475.03	**232035.56**
18	Supplying and fixing M.S. Rectangular Poles made but of 2 equal angles of 65 x 65 x 6 mm welded together and fixed inCC (1:2:4) with 2 Nos. 16 mm dia M. S. hold fast rods each of length 25 cms, including cost of all materials, cutting, bending scafolding etc as per specifications. (P.No 37.2, 255)	Rmtr							
			6			2.40	14.40		
							14.40	884.52	**12737.09**
	Basic Rate	819.00							
	Area Weightage @ 8%	65.52							
	Total	**884.52**							
19	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and weldin (Page No 32, I.No 7.90)	Kgs							
	Gate		1	2.60		1.50	3.90		
						(21kg/3.90)	**81.90**	84.24	**6899.2**
	Basic Rate	78.00							
	Area Weightage @ 8%	6.24							
	Total	**84.24**							
20	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications (Page No 121, Item No 15.80)								
	Kerb line		1	21.00		0.30	6.30		
							6.30	28.08	**176**
	Basic Rate	26.00							
	Area Weightage @ 8%	2.08							
	Total	**28.08**							
21	KSRB 15-20.1 : Providing and applying floor painting with ready mix paint in two coats (exluding priming coat) on new concrete / asbestos cement sheet / plastered surfaces brushing to give an even shade after preparing the surface after throughly cleaning oil, dirt, dust other foreign matter and sand papering including cost of materials, labour, complete as per specifications Page No 131, Iem No 15.83)	Sqm							

	Gates		2	2.60		1.50	7.80		
	Kerb line		1	21.00		0.30	6.30		
	Fencieng		2	15.00		1.50	45.00		
							59.10		
	Gates		2	2.60		1.50	7.80		
							51.30	54.00	**2770.20**
	Basic Rate	50.00							
	Area Weightage @ 8%	4.00							
	Total	**54.00**							
22	Providingd cement concrete pipe NP2 FOR Culverts including pointing ends and fixing collars with cement mortor 1:2 including cost of materials labour curing complete as per specifications 900mm dia (254/34.7.7.2016-2017)	Rmtr							
			1			1.80	1.80		
							1.80	3924.72	**7064.50**
	Basic Rate	3634.00							
	Area Weightage @ 8%	290.72							
	Total	**3924.72**							
23	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alroind to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., Page No.3 item No.4.2 PRE SR2016-2017).	Rmtr							
	75mm Dia 6 KSC		1	12.00			12.00		
							12.00	169.56	2035.00
	Basic Rate	157.00							
	Area Weightage @ 8%	12.56							
	Total	**169.56**							
24	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. P.NO.109.I.NO.14.62	Sqm							
	Main Entrance		1	3.00	2.50		7.50		
			2	3.15	0.30		1.89		
							9.39	1176.12	11044.00
	Basic Rate	1089.00							
	Area Weightage @ 8%	87.12							

		Total	1281.32					
25	KSRRB M100-1 Loading and un loadingofstoneboulder/Stone/aggregates/sand/kanker/Moorum .KSRRB M100-1:Placing tipper at loading point.loading with front end loader, dumping, turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1.Page no 133, PWD SR 2016-17)	Cum						
							171.97	11694.10
		Quantity vide item no-1+2					151.95	68.00	10332.40
		Basic Rate	68.00						
									837631.
								Total RS	837550.63
									92139.6
								KRIDL Charges 11%	92131.00
26	Miscellaneous charges								229.97
									318.37
								Grand Total RS	930000.00

(Rupees Nine Lakh Thirty Thousand Only)

CERTIFICATE :-

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division

Executive Engineer
Yelahanka Division

Administrative Sanction for Rs. 9.30 lacks
Nine lacks & Thirty
Thousand only
is accorded under head P-3106
Nagaramana grante
Registered as CE No. ..... Subject
to conditions contained in enclosed memo
No. CE/YNK/EE/05/18-19 Dt. 23.5.18

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 9.30
Rupees Nine lacks &
Thirty Thousand only
Under P-3106 - Nagara
ramana grante
Registered as CE ( )
Subject to conditions
enclosed memo CE ( )
Dt. CE/YNK/EE/05/18-19 23-5-18
Dated 23-5-18 Rs. 9.30 L

Enginee

150 - YELAHANKA AC

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 3- ATTURU